

# Cisco VPN Client 3.x for Windows Installation Instructions

These instructions are for a NUWCDIVNPT employee or an on-site contractor who:

1. Has an existing Microsoft Exchange account in the NUWCNPT Windows NT Domain.
2. Has DOD issued PKI Keys or a DOD issued Common Access Card (CAC) and CAC reader.
3. Has installed the DOD PKI root Certificates on the machine being used.

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## ***System Requirements***

A single, Pentium®-class processor.

One of the following operating systems:

Microsoft® Windows® 98/98SE/ME/NT 4.0 SP6/2000/XP

Microsoft TCP/IP installed

50 MB hard disk space.

RAM

32 MB for 98, 64 MB for ME and NT, 64 MB for 2000 (128 MB recommended), 128 MB for XP (256 MB recommended)

## ***Implementation Notes***

Installation instructions assume that DOD Root Certificates and Public Key Infrastructure (PKI) keys are loaded into Internet Explorer 5.5 or higher prior to installation.

A .zip containing the installroot.exe file that will install the DOD Root Certificates can be found at <https://infosec.navy.mil/installroot.zip>. Open the .zip file and launch the installroot.exe to install the DOD root Certificates.

Instructions for loading PKI Keys are available internally at

<https://knowledge.npt.nuwc.navy.mil/Dept/Code54/541/WebCSS/Documentation/pkipc.htm>

Code 54 is not able to provide support home networks including hardware routers and hardware/software firewalls. If you are having problems with the connection to NUWC, we may have to ask you to disable your firewall, or to directly connect your PC to your cable or DSL modem for trouble shooting purposes.

If you are behind a hardware firewall that supports IPSEC pass thru, please enable this option. If your router does not support IPSEC Pass thru you need to open UDP Ports 500, 49 and 151 outbound for the Cisco VPN Client to work

Domain Name resolution for NPRI54RAS04 will resolve to different IP Addresses depending on the network that your computer is on. Computers external to the NUWCnet will resolve to 164.223.72.8. Computers Internal to the NUWCnet will resolve to 129.190.2.11.

DoN Security Policy requires that, “no other Wireless or other LAN connection exists for the duration of the session”. This means that all of your traffic will pass through the IPsec tunnel while activated and will use the NUWC gateway to reach the Internet. You will not be able to connect to any other home network computers or network printers while your VPN session is connected. Local Printers will function correctly.

DoN security policy doesn't allow saved passwords. You must not choose remember password if that option is provided.

It is normal to experience some additional latency when using this VPN due to the required security measures such as IPsec tunnel, AES encryption, and PKI certificate authentication.

## ***Installation Options***

There are 3 options for installation of the software.

1. Opening VPN3xWinNUWC.exe directly from the download link.  
<http://www.npt.nuwc.navy.mil//npt/vpn/VPN3Win.htm>
2. Opening VPN3xWinNUWC.exe from the CD provided by Ask54
3. Saving VPN3xWinNUWC.exe from the download link and opening it.

## ***Pre-Installation***

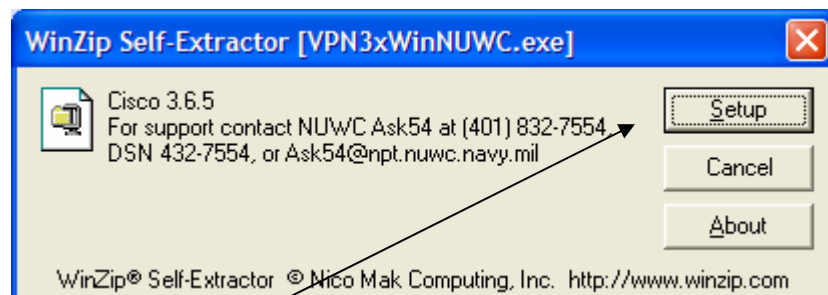
Determine your method of installation and download the file if appropriate.

Remove any existing IPSEC Clients. The Cisco Installation will remove existing Cisco Installations automatically and will require a reboot. **After the reboot you will need to click on the installation icon again to continue the installation.** If you have any other IPSEC Clients installed, Please remove them before continuing.

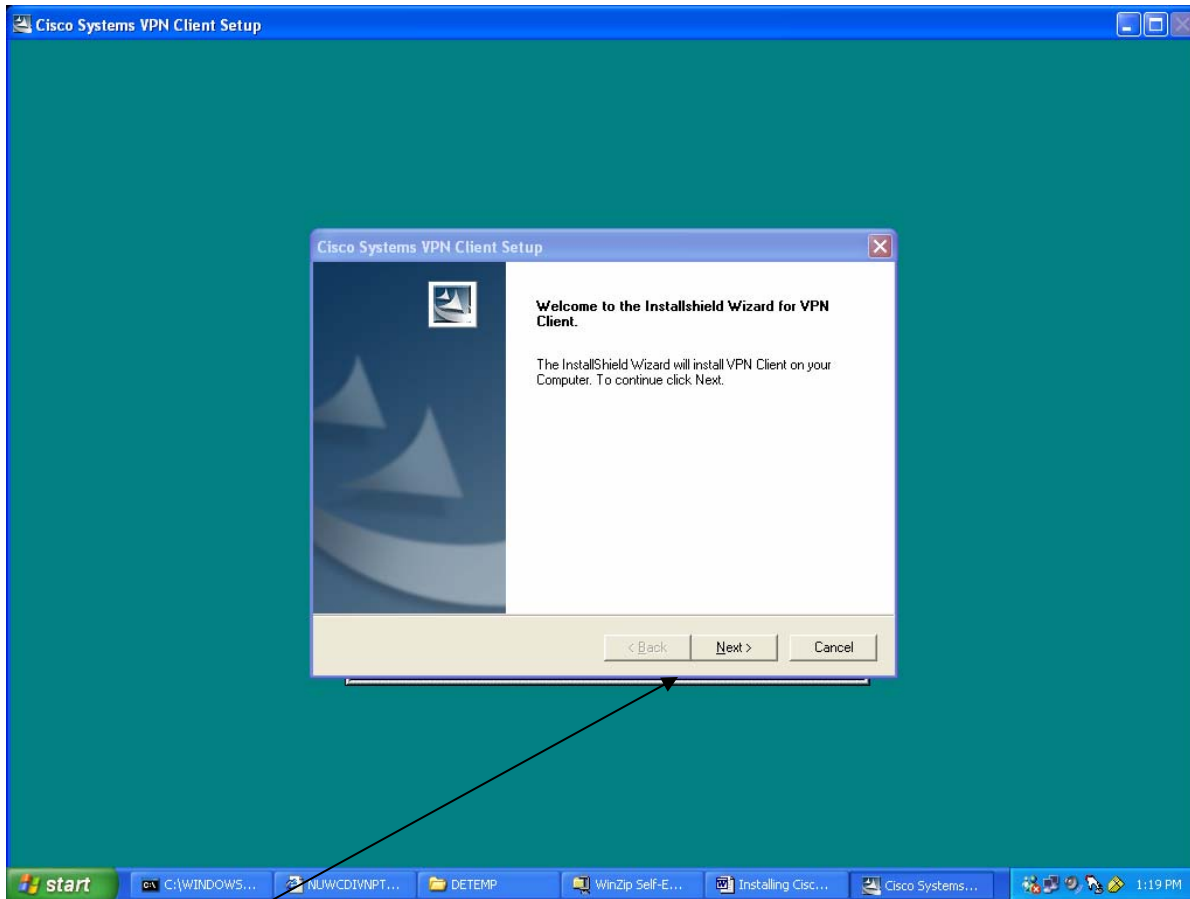
Insure that your PKI Keys are installed on the machine that you will be installing the VPN client on.

## ***Installation***

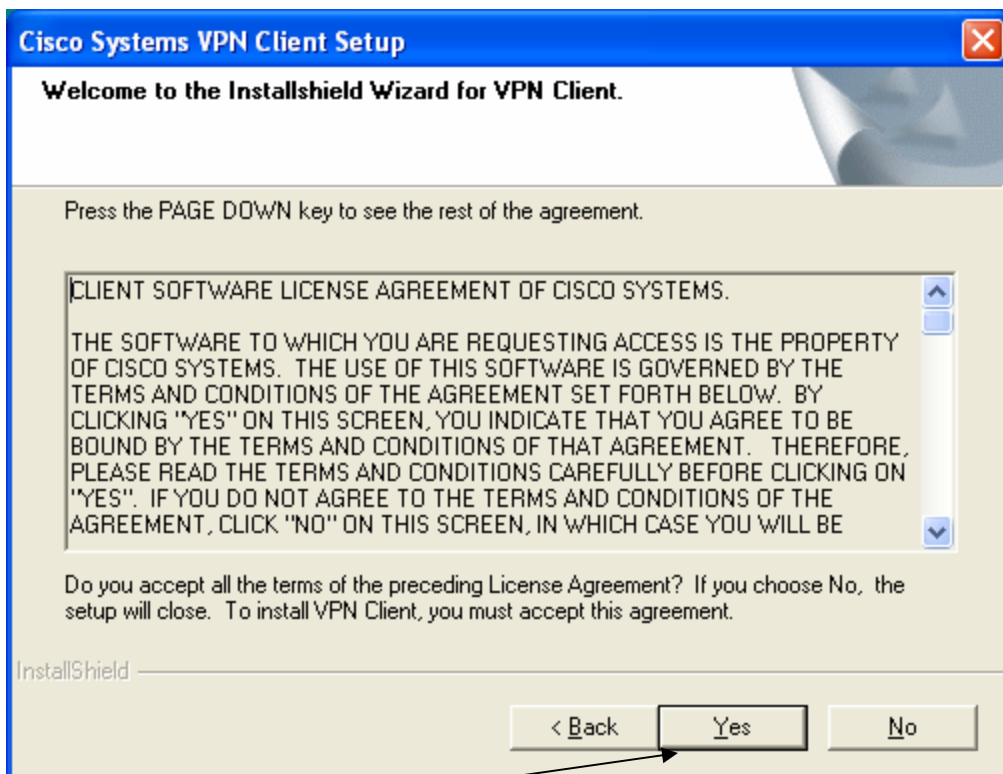
Open the file VPN3xWinNUWC.exe by double clicking on it, or by choosing Open after clicking the download link.



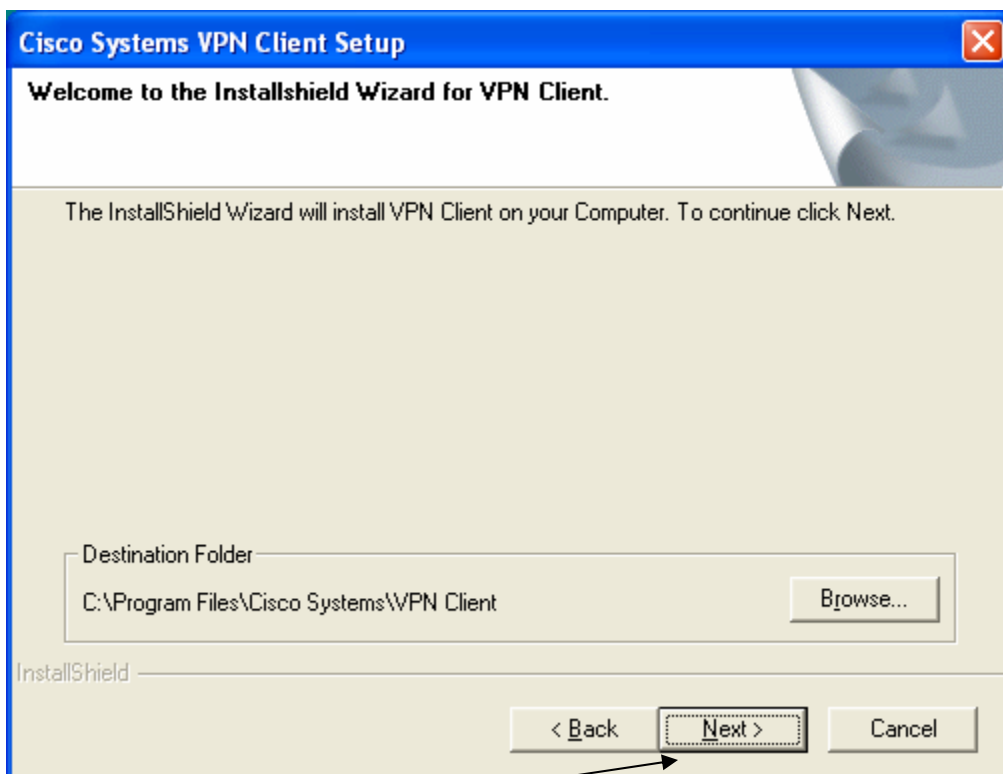
Choose Setup



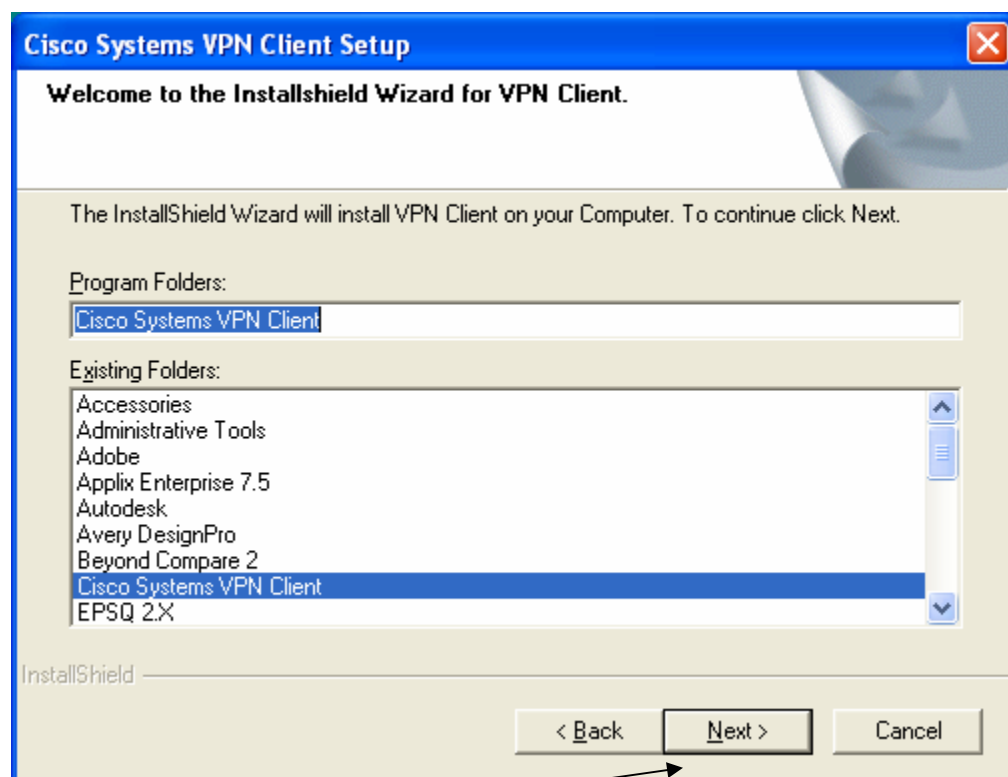
Choose Next



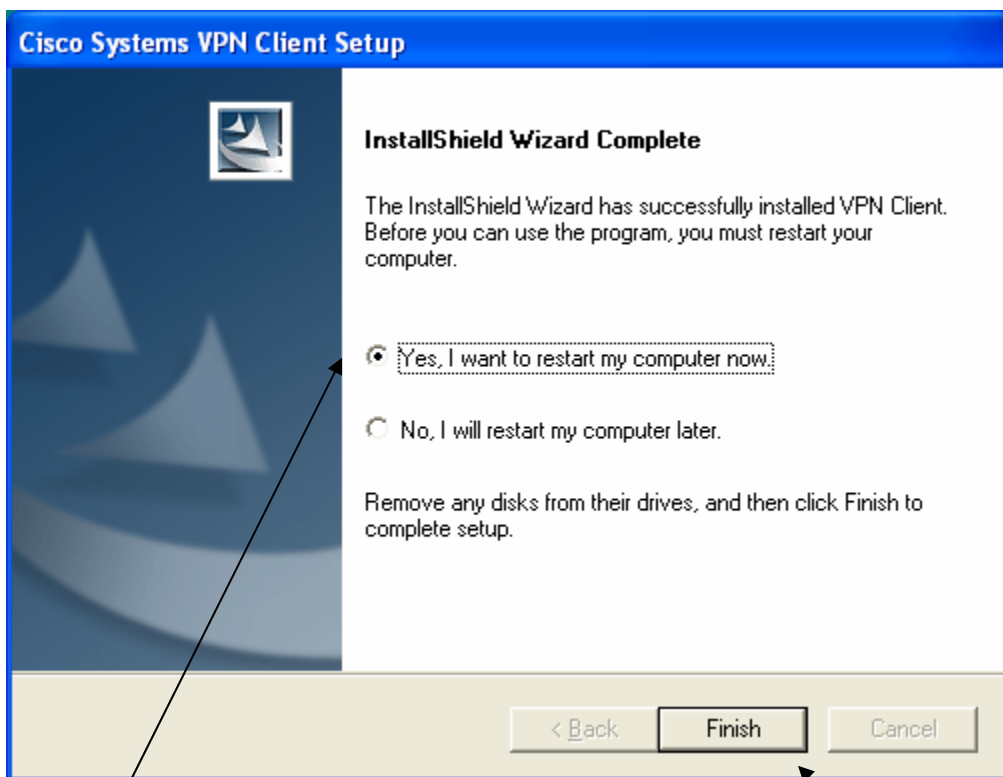
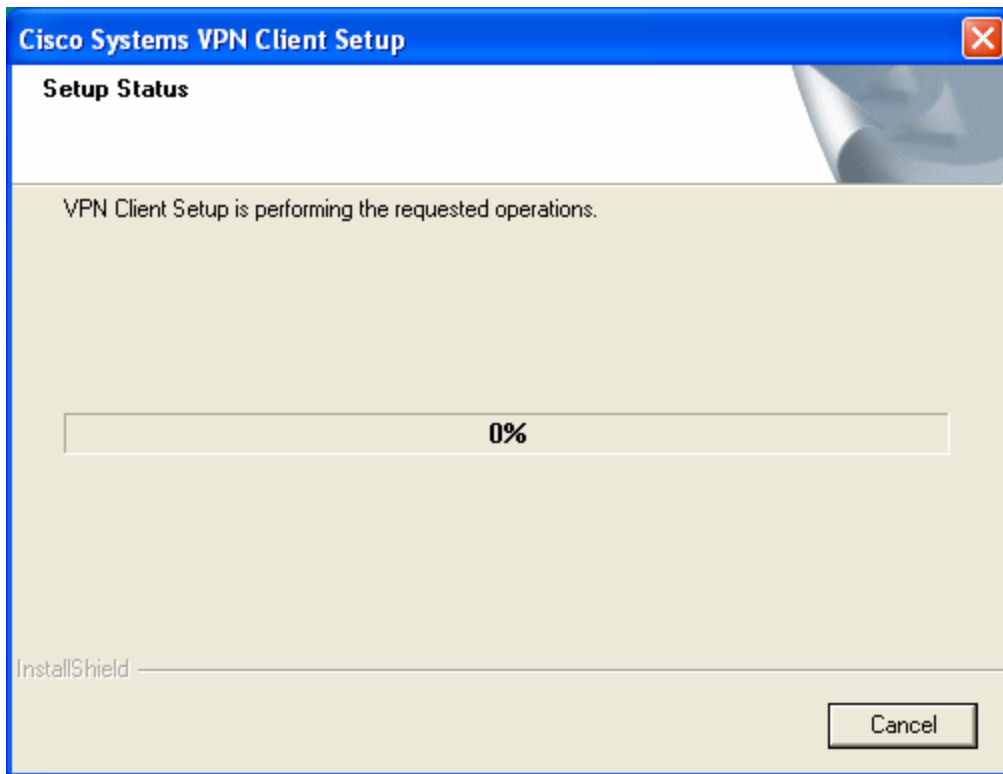
Choose Yes



Choose Next



Choose Next



Click Yes, I want to restart my computer now, and then choose Finish

## ***Client Configuration***

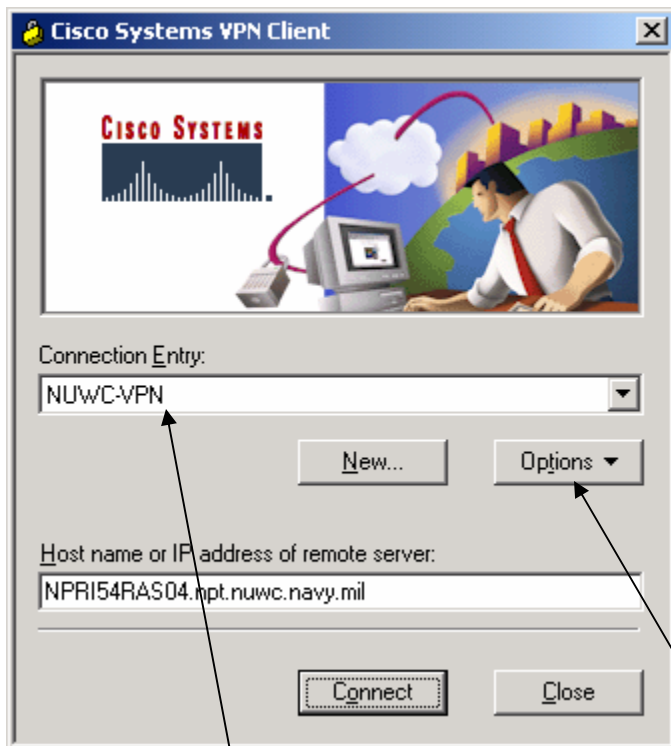
Launch the Cisco VPN Client

Windows XP Users

From the Start menu choose -All programs – Cisco Systems VPN Client – VPN Client

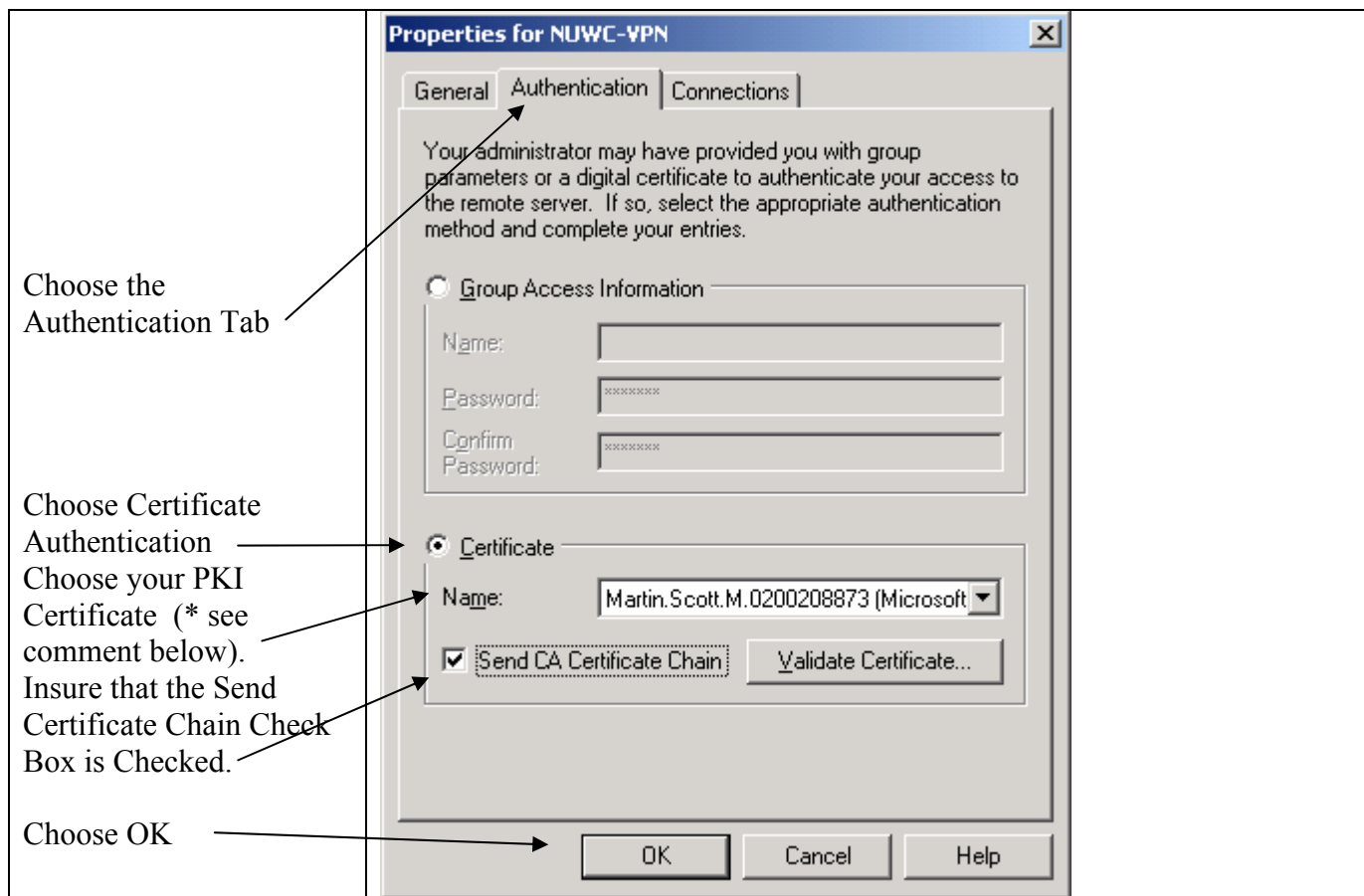
Windows 2000 and Windows 98 users

From the Start menu choose -Programs – Cisco Systems VPN Client – VPN Client



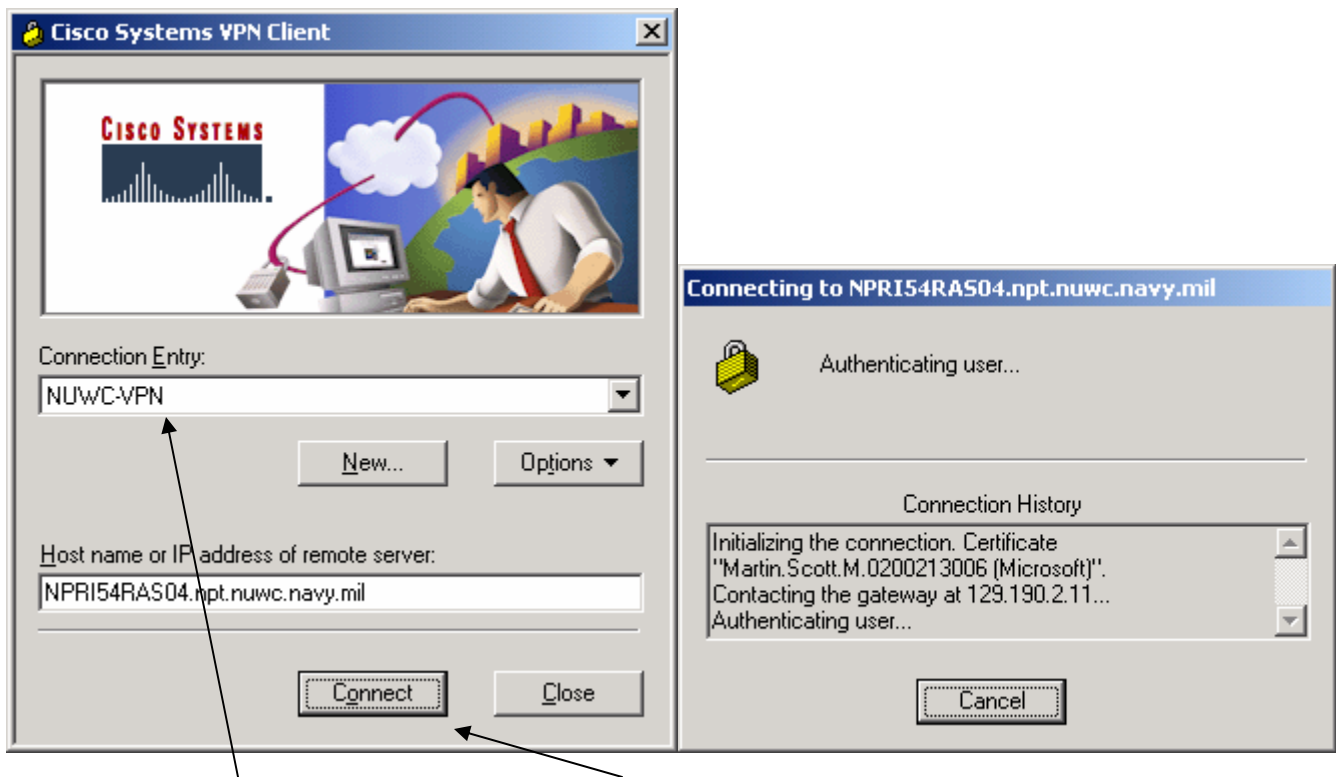
Choose the NUWC-VPN Connection entry and click Options, then Properties.





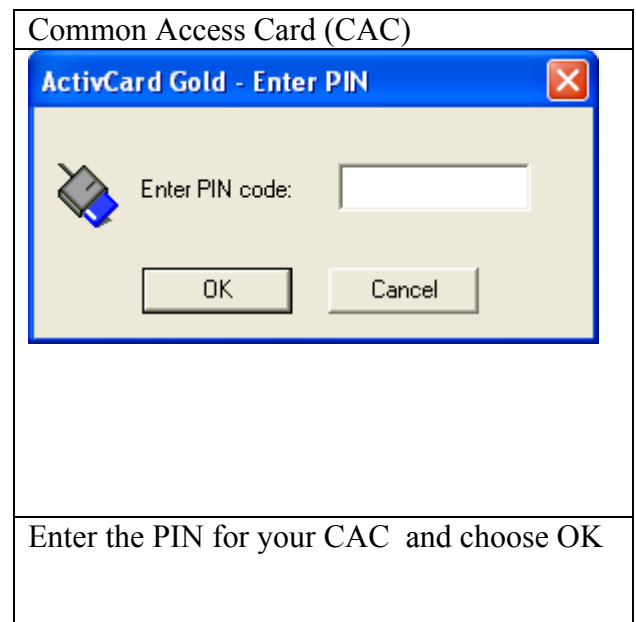
\* The number and type of PKI Certificates listed will vary based on the certificates that you have installed. We are looking for your DOD PKI Certificate. It will have a listing similar to the one shown above.

## Testing the Connection



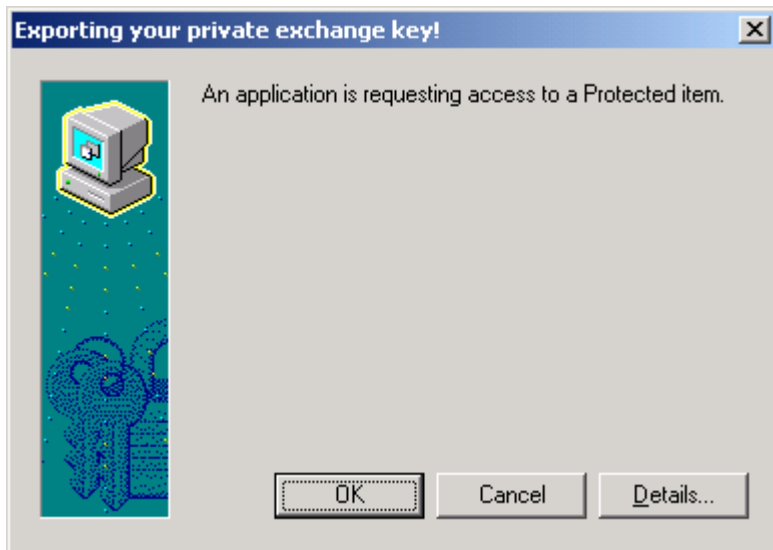
Highlight the NUWC-VPN Connection and choose Connect

You will get one of the following screens depending on the type of PKI key you are using.

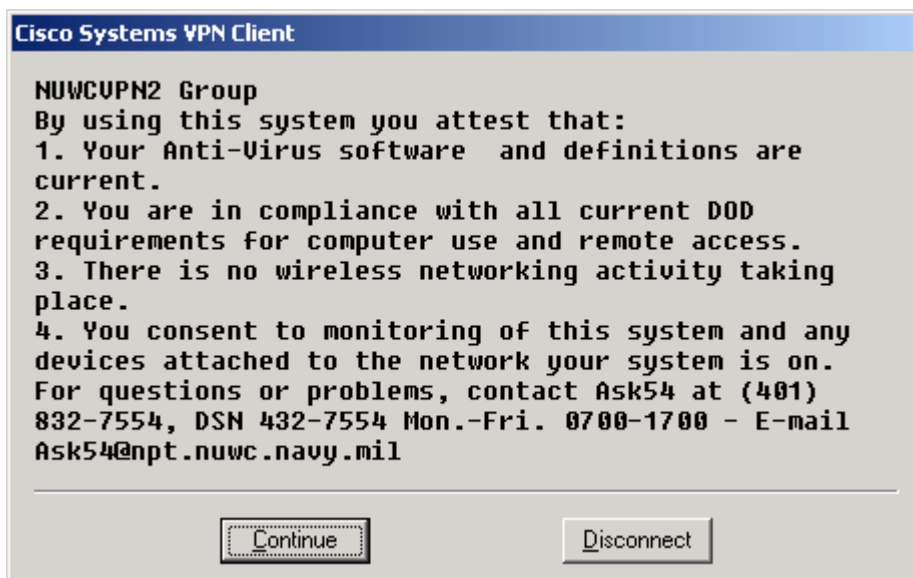


\*\*\*\*\* ATTENTION\*\*\*\*\* ATTENTION\*\*\*\*\* ATTENTION\*\*\*\*\*

If you did not get a request for your PKI password or you see the following message, this indicates that your PKI was not installed with the “High” security level as required. You will have to reinstall your PKI certificate with the “High “ security level chosen. Please contact ASK54 at 832-7554 for installation instructions or assistance.



\*\*\*\*\* ATTENTION\*\*\*\*\* ATTENTION\*\*\*\*\* ATTENTION\*\*\*\*\*



If you agree to the terms listed, choose Continue.

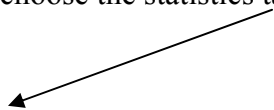
You are now connected to the NUWC Network.

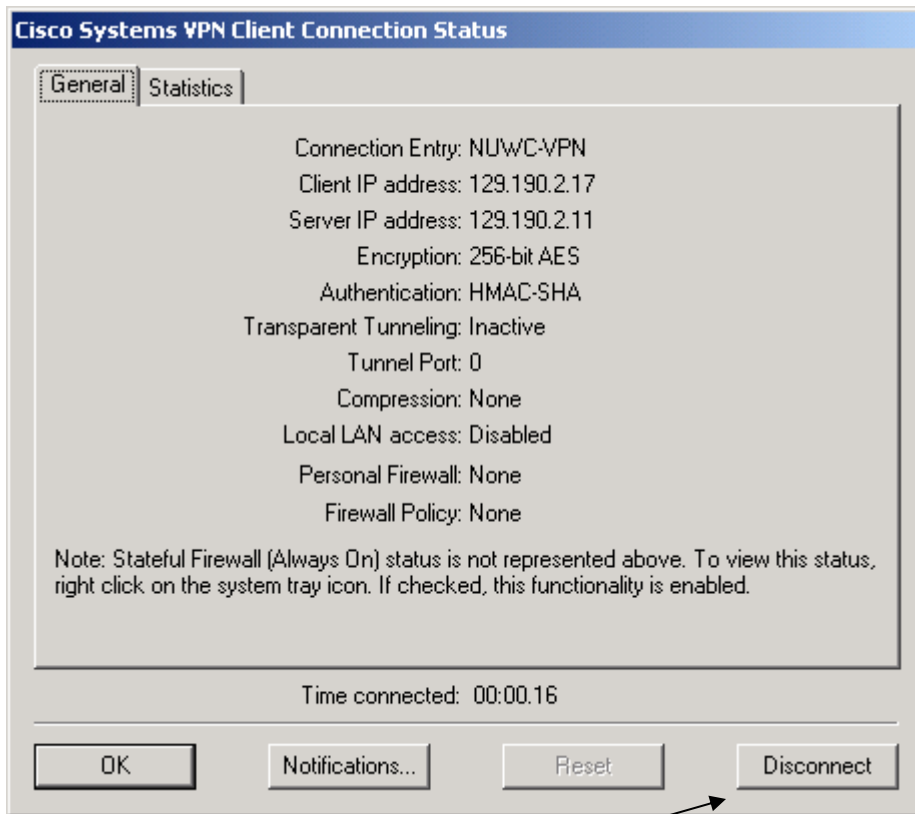
### ***Viewing Status or Disconnecting***

To View the status of your connection, or to disconnect, choose the Lock that should be in the bottom right corner of your screen



To view statistics choose the statistics tab





To disconnect choose the disconnect button.

## ***Technical Support***

You may obtain technical support by calling Ask54 at (401) 832-7554, DSN 432-7554 or e-mail us at: Ask54@npt.nuwc.navy.mil

## ***Additional Documentation***

Additional Documentation can be found at: <http://www.npt.nuwc.navy.mil/npt/vpn/VPN3Win.htm>